



## MODELING COMPLIANCE COMPONENT

### DEFINITION

<i>Name</i>	Modeling
<i>Description</i>	<p>Modeling emphasizes the creation, or drawing of pictorial system models to document and validate both existing and/or new proposed systems. Ultimately, the system model becomes the blueprint for configuring a system for optimal performance and capacity. Modeling offers a visual representation of the system and helps in understanding current performance and capacity, and in predicting future performance and capacity requirements.</p> <p>Tools that can be used to create these visual representations include flowcharts, structure or hierarchy charts, and organization charts.</p>
<i>Rationale</i>	Modeling and processes outlined here will assist decision making and result in optimal system configuration and performance.
<i>Benefits</i>	<p>By utilizing modeling techniques as outlined here, stakeholders will achieve:</p> <ul style="list-style-type: none"><li>• Increased awareness and planning for system growth</li><li>• Reduced system stress with optimal configuration</li><li>• Maximize the use of hardware and system capacity</li><li>• Improved utilization of support resources, both internal and external</li><li>• Increased leveraging of future technologies</li><li>• Security awareness</li><li>• Reduced operation expenditures on unnecessary hardware, software, network resources and personnel</li><li>• Improved budget accuracy and financial management</li></ul>

### ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Systems Management
<i>Specify the Discipline Name</i>	Performance Measurement and Capacity Planning
<i>Specify the Technology Area Name</i>	Capacity Management
<i>Specify the Product Component Name</i>	

### COMPLIANCE COMPONENT TYPE

<i>Document the Compliance Component Type</i>	Guideline
<i>Component Sub-type</i>	

## COMPLIANCE DETAIL

<i>State the Guideline, Standard or Legislation</i>	<p>Capacity management modeling begins by baselining and mapping the current utilization of hardware, software, network resources and personnel. Organizing this information into a model or models will help evaluate the effects of various hypothetical business changes. This information can also help predict hardware and application performance based on projected system configurations.</p> <p>➤ Five steps for capacity management:</p> <ol style="list-style-type: none"><li>1. Measure and model utilization and performance of current resources.</li><li>2. Predict effects of future change in your business using “what if” scenarios. (Example, What if the work grows by “X” percent over “Y” amount of time?)</li><li>3. Predict effect on performance of existing resources.</li><li>4. Model effects of expanding, reallocating or consolidating current resources.</li><li>5. Identify any performance bottlenecks present in the model.</li></ol>
<i>Document Source Reference #</i>	

## Compliance Sources

<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			
<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			

## KEYWORDS

<i>List Keywords</i>	
----------------------	--

## COMPONENT CLASSIFICATION

<i>Provide the Classification</i>	<input type="checkbox"/> <i>Emerging</i> <input checked="" type="checkbox"/> <i>Current</i> <input type="checkbox"/> <i>Twilight</i> <input type="checkbox"/> <i>Sunset</i>
<i>Sunset Date</i>	

## COMPONENT SUB-CLASSIFICATION

Sub-Classification	Date	Additional Sub-Classification Information
<input type="checkbox"/> <i>Technology Watch</i>		
<input type="checkbox"/> <i>Variance</i>		
<input type="checkbox"/> <i>Conditional Use</i>		

## Rationale for Component Classification

<i>Document the Rationale for Component Classification</i>	
--	--

## Migration Strategy

<i>Document the Migration Strategy</i>	
--	--

### Impact Position Statement

*Document the Position  
Statement on Impact*

### CURRENT STATUS

*Provide the Current Status*

☐ *In Development*   ☐ *Under Review*   ☒ *Approved*   ☐ *Rejected*

### AUDIT TRAIL

*Creation Date*

5/18/2007

*Date Approved / Rejected*

10/16/07

*Reason for Rejection*

*Last Date Reviewed*

*Last Date Updated*

8/14/2007

*Reason for Update*